AMENDMENTS TO THE CLAIMS

Claims 1-27: (Cancelled)

- 28. (Previously presented) Butene-1 copolymers comprising a content up to 40% by mol of at least one comonomer, the comonomer being selected from ethylene, propylene, or mixtures thereof, the butene-1 copolymers further comprising:
 - a) a product of the reactivity ratios $r1 \cdot r2 \le 1.5$;
 - b) a content of butene-1 units in form of isotactic pentads (mmmm)> 98.5%; and
 - c) an absence of 4,1 insertions of butene units.
- 29. (Previously presented) The butene-1 copolymers according to claim 28, wherein the content of (mmmm) is >99% and the reactivity ratio r1•r2≤1.
- 30. (Previously presented) The butene-1 copolymers according to claim 28 further comprising a PI ranging from 3-10.
- 31. (Previously presented) The butene-1 copolymers according to claim 28, wherein the content of the at least one comonomer ranges from 0.1 to 35% by mol.
- 32. (Previously presented) The butene-1 copolymers according to claim 31, wherein the content of the at least one comonomer ranges from 0.5 to 30% by mol.
- 33. (Previously presented) The butene-1 copolymers according to claim 32, wherein the at least one comonomer is ethylene.
- 34. (Previously presented) The butene-1 copolymers according to claim 32, wherein the at least one comonomer is propylene.
- 35. (Previously presented) The butene-1 copolymers according to claim 28, wherein the content of the at least one comonomer is lower than about 3% by mol.

- 36. (Previously presented) The butene-1 copolymers according to claim 32, wherein the content of the at least one comonomer ranges from 2-15% by mol.
- 37. (Previously presented) The butene-1 copolymers according to claim 28, wherein the content of the at least one comonomer is at least 12% by mol.
- 38. (Previously presented) The butene-1 copolymers according to claim 37, wherein the comonomer is ethylene.
- 39. (Previously presented) The butene-1 copolymers according to claim 37, wherein the butene-1 copolymers do not show a melting point at the thermal analysis.
- 40. (Previously presented) A polymer composition comprising: (A) from 1 to 99wt % of a butene-1 copolymer comprising a content up to 40% by mol of at least one comonomer, the comonomer being selected from ethylene, propylene, or mixtures thereof, the butene-1 copolymers further comprising:
 - a) a product of the reactivity ratios $r1 \cdot r2 \le 1.5$;
 - b) a content of butene-1 units in form of isotactic pentads (mmmm)> 98.5%; and
 - c) an absence of 4,1 insertions of butene units;
 - and (B) from 1 to 99% of another polymeric component the said percentages being referred to the sum of (A) and (B).
- 41. (Previously presented) The polymer composition according to claim 40, wherein the component (B) comprises an olefin (co)polymer.
- 42. (Previously presented) The polymer composition according to claim 40, wherein the component (B) is an ethylene containing (co)polymer, a propylene containing (co)polymer, or mixtures thereof.
- 43. (Previously presented) A polymer composition comprising:

- (A) from 5 to 40%wt of butene-1 copolymers comprising from 1 to 15% by mol of ethylene, propylene, or mixtures thereof, the butene-1 copolymers further comprising:
 - a) a product of the reactivity ratios $r1 \cdot r2 \le 1.5$;
 - b) a content of butene-1 units in form of isotactic pentads (mmmm)> 98.5%; and
 - c) an absence of 4,1 insertions of butene units; and
- (B) from 60 to 95%wt of a propylene copolymer comprising from 1 to 30 % by mol of at least one comonomer, the comonomer being selected from ethylene and an α-olefin of formula CH₂=CHR, wherein R is a C₂-C₁₀ hydrocarbon group.
- 44. (Previously presented) The polymer composition according to claim 43, wherein said α -olefin is butene-1.
- 45. (Previously presented) The polymer composition according to claim 43, wherein the component (B) is selected from either (a) a propylene copolymer comprising both ethylene and butene-1, wherein the content of ethylene is from 1 to 10% by mol and the content of butene-1 is from 1 to 10% by mol, or (b) a propylene copolymer containing from 2 to 15% by mol of butene-1.
- 46. (Currently amended) A polymer composition comprising: (A) a butene-1 copolymer with ethylene comprising a content of ethylene from higher than 10% up to 40% by mol-of at least one comonomer, the comonomer being selected from ethylene, propylene, or mixtures thereof, the butene-1 copolymers further comprising:
 - a) a product of the reactivity ratios $r1 \cdot r2 \le 1.5$;
 - b) a content of butene-1 units in form of isotactic pentads (mmmm)> 98.5%;
 - c) an absence of 4,1 insertions of butene units; and
 - d) not showing a melting point; and
 - (B) a butene-1 copolymer with ethylene comprising a content of ethylene lower than 10% by mol up to 40% by mol of at least one comonomer, the comonomer being selected from ethylene, propylene, and mixtures thereof, the butene-1 copolymers further comprising:
 - a) a product of the reactivity ratios $r1 \cdot r2 \le 1.5$;
 - b) a content of butene-1 units in form of isotactic pentads (mmmm)> 98.5%;

- c) an absence of 4,1 insertions of butene units; and
- d) showing a melting point.

47. (Canceled)

- 48. (Previously presented) A polymer composition comprising:
 - (i) from 5 to 25% wt of a butene-1 copolymer comprising a content up to 40% by mol of at least one comonomer, the comonomer being selected from ethylene, propylene, or mixtures thereof, the butene-1 copolymers further comprising:
 - a) a product of the reactivity ratios $r1 \cdot r2 \le 1.5$;
 - b) a content of butene-1 units in form of isotactic pentads (mmmm)> 98.5%; and
 - c) an absence of 4,1 insertions of butene units;

(ii) from 75 to 95%wt of an ethylene polymer; said percentages being based on the sum

of (i)+(ii).

and

- 49. (Previously presented) Manufactured articles obtained from a composition comprising at least one butene-1 copolymer comprising a content up to 40% by mol of at least one comonomer, the comonomer being selected from ethylene, propylene, or mixtures thereof, the butene-1 copolymers further comprising:
 - a) a product of the reactivity ratios $r1 \cdot r2 \le 1.5$;
 - b) a content of butene-1 units in form of isotactic pentads (mmmm)> 98.5%; and
 - c) an absence of 4,1 insertions of butene units.
- 50. (Currently amended) A process for preparing butene-1 copolymers comprising a content up to 40% by mol of at least one comonomer, the comonomer being selected from ethylene, propylene, or mixtures thereof, the butene-1 copolymers further comprising:
 - a) a product of the reactivity ratios $r1 \cdot r2 \le 1.5$;
 - b) a content of butene-1 units in form of isotactic pentads (mmmm)> 98.5%; and
 - c) an absence of 4,1 insertions of butene units, the process comprising copolymerizing butene-1 and at least one comonomer, the

comonomer being selected from ethylene, propylene, and mixtures thereof, in presence of a stereospecific catalyst comprising (A) a solid catalyst component comprising a Ti compound of formula Ti(OR)_{n-y}X_y, where n=4; X is a halogen; and y is a number from 1 to n, and an electron-donor compound selected from phthalates, supported on MgCl₂; (B) an alkylaluminum compound; and (C) an external electron-donor compound of formula $R_a^5 R_b^6 Si(OR^7)_e$, wherein a=0 and b=1; c is 3; and R^6 is a branched alkyl or cycloalkyl group optionally comprising at least one heteroatom; and R^7 is methyla thexyltrimethoxysilane external donor.

51. (Canceled)

- 52. (Previously presented) The process according to claim 50, wherein the process is carried out in liquid butene-1.
- 53. (Previously presented) The process according to claim 52, wherein the process is carried out in at least two reactors working under different reaction conditions.
- 54. (new) Butene-1 copolymers comprising a content up to 40% by mol of at least one comonomer, the comonomer being selected from ethylene, propylene, or mixtures thereof, the butene-1 copolymers further comprising:
 - a) a product of the reactivity ratios $r1 \cdot r2 \le 1.5$;
 - b) a content of butene-1 units in form of isotactic pentads (mmmm)> 98.5%; and
 - c) an absence of 4,1 insertions of butene units,

the butene-1 copolymers being produced by a process comprising copolymerizing butene-1 and the at least one comonomer in the presence of a stereospecific catalyst comprising: (A) a solid catalyst component comprising a Ti compound of formula $Ti(OR)_{n-y}X_y$, where n=4; X is a halogen; and y is a number from 1 to n, and an electron-donor compound selected from phthalates, supported on MgCl₂; (B) an alkylaluminum compound; and (C) a thexyltrimethoxysilane external donor.